

Draft
Portable Equipment Workgroup
Regulatory Concepts for Discussion
3/6/03

I. Overall Goals

- All engines must meet a particulate matter (PM) emission limit of 0.01 g/hp-hr by January 1, 2020
- Existing emissions reduction commitments in portable equipment registration program (PERP) regulation cannot be relaxed (January 1, 2005, for engines used in dredging and January 1, 2010, for all other engines)
- Priority will be to reduce exposure from diesel PM in impacted areas
- Promote non-diesel alternatives (electrification, different fuels, etc.)
- Investigate incentives for early replacement of existing engines
- Establish requirements for expedited replacement / retrofits

II. New Engines

Options:

- Beginning 7/1/06, new engines must meet a particulate matter (PM) emission limit of 0.01 g/hp-hr
- BACT approach: If available use verified technology, otherwise determine and use BACT for PM
- Use Tier III engine without additional controls, but limit operation such that risk is no greater than the risk from a 0.01 g/hp-hr engine

III. Existing Engines

Options:

- Fleet averaging—establish milestones (percent reduction or average fleet emission target)
- Annual turnover / retrofits—establish an annual turnover / retrofit requirement (percent of fleet replaced or retrofitted per year)
- Establish operating restrictions
- Establish interim emission targets based on age of engine (priority given to older, higher emitting engines)
- Provide additional time if commitment is made to purchase new engine (lower NOX and PM)

IV. Miscellaneous

- Engines not currently permitted with districts or registered with the state
- Localized impact analysis
 - 1) engines operated near specified receptors (for example, a school) or 2) certain specified types of projects
 - Project can proceed only with district approval
 - Engine(s) may be subject to a project emission cap, as well as a limit for the average emission rate for all engines at the site, or limits on hours of operation
- Dual use engines (engine that is used for transportation purposes and also is used to operate stationary equipment) will be permitted or registered with the PERP

V. Applicability (Statewide Portable Equipment Regulation)

Goal: To ensure that registered portable engines / equipment are used in accordance with local, state, and federal requirements

Proposals for Discussion:

- Registered portable generators may not be used for generating electrical power for use by a stationary source or for providing power to the grid
- Registered portable engines may not be used to increase production / capacity or exceed a permitted emission limit of the unit or facility
- Registered engines may not be brought back to the same location on a seasonal, regular or routine basis to perform the same function, excluding maintenance and repair operations
- Registered engines may not be used in conjunction with ineligible PERP engines / units

VI. Notification (Statewide Portable Equipment Regulation)

Goal: Strengthen notification requirements to ensure districts are aware of operations within their jurisdiction

Proposals for Discussion:

- Remove “home district” designation—owner / operators of registered engines are required to notify the district in all cases
- Remove notification exemption for rental companies with registered engines less than 200 horsepower

VII. Operation within 1,000 Feet of a School (Statewide Portable Equipment Regulation)

Goal: Provide districts and public opportunity to review impacts of a project prior to operation within 1,000 feet of a school

Proposal for Discussion:

- Establish provision to require district approval prior to operation within 1,000 feet of a school

VIII. Fees (Statewide Portable Equipment Regulation)

Goal: Adjust the fee schedules to cover the Air Resources Board (ARB) and the district costs associated with implementation of the portable equipment registration program

Proposals for Discussion:

- Increase fees to cover the costs of district inspections
- Increase fees to cover ARB costs to implement the state registration program

IX. Recordkeeping & Reporting

Goal: Ensure that permitting and registration of portable engines / equipment does not interfere with attainment and maintenance of ambient air quality standards

Proposal for Discussion:

- Expand recordkeeping and reporting requirements to provide districts and state with emissions and operating data